

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
J. Douglas Birdwell, et al.) Group Art Unit: TBA
Serial No.: TBA) Examiner: TBA
 (DIV of 09/671,304))
Filed: Herewith) Atty. Docket No.: 004842.00003
For: METHOD OF PARTITIONING DATA RECORDS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449 forms. A copy of each prior art reference cited in the parent application U.S. Serial No. 09/671,304 was provided or cited in the prior application in accordance with 37 C.F.R. 1.98(d).

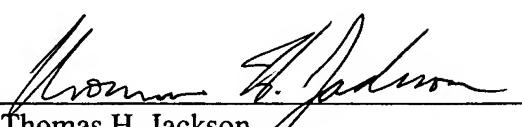
The references numbered 1-14 cited on page 2 and 3 of the PTO 1449 are attached hereto and were not previously cited in the prior application. It is respectfully requested that this new information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Applicant does not waive any right to take appropriate action to establish patentability over the listed documents should they be applied as a reference against the claims of the present application.

The accompanying Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted,
BANNER & WITCOFF, LTD.

By:


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PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 004842.00003	SERIAL NUMBER TBD
	APPLICANT J. Douglas Birdwell	
	FILING DATE Herewith	GROUP ART UNIT TBD

U.S. PATENT DOCUMENTS

<u>EXAMINER INITIAL</u>	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	6,490,582	12/3/02	Fayyad et al.			
	6,134,541	10/17/00	Castelli et al.			
	6,122,628	9/19/00	Castelli et al.			
	6,100,901	8/8/00	Mohda et al.			
	6,026,397	2/15/00	Sheppard			
	5,926,812	7/20/99	Hilsenrath et al.			
	5,884,320	3/16/99	Agrawal et al.			
	5,761,685	6/2/98	Hutson			

FOREIGN PATENT DOCUMENTS

<u>EXAMINER INITIAL</u>	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Juha Karhunen et al., "Locally Linear Independent component analysis", International Joint Conference on Neural Networks, 1999, Vol. 2, Pages 882-887
Cormen, Thomas H., Charles E. Leiserson, and Ronald L. Rivest, Introduction to Algorithms, MIT Press (Cambridge, MA) / McGraw-Hill (New York). 1990
Guttman, A., R trees: a dynamic index structure for spatial searching, ACM, 1984, 47-57
Sellis, T., et. al., The R*-tree: a dynamic index for multi-dimensional objects, Tech. Rept. UMI-ACS TR 87 3, CS TR 1975, University of Maryland, Feb. 1987, 1-24
Message Passing Interface Forum, MPI: A Message-Passing Interface Standard, version 1.1, June, 1995. Also at http://www-unix.mcs.anl.gov/mpi/ and http://www.mpi-forum.org/docs/mpi-1.1-html/mpi-report.html
Universal Data Option for Informix Dynamic Server, version 9.14 for Windows NT and UNIX. Also at http://www.informix.com/informix/techbriefs/udo/udo.pdf
Geist, A., A. Beguelin, J. Dongarra, W. Jiang, R. Manchek, V. Sunderam, PVM: Parallel Virtual Machine: A Users' Guide and Tutorial for Networked Parallel Computing, MIT Press. 1994
Beowulf Project at CESDISR, http://cesdis1.gsfc.nasa.gov/linux/beowulf/ , Center of Excellence in Space Data and Information Sciences, NASA Goddard Space Flight Center. 1998
Strang, G., Linear Algebra and its Applications, 2nd ed., Academic Press, New York, 1980

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 004872.00003	SERIAL NUMBER TBD
	APPLICANT J. Douglas Birdwell et al.	
	FILING DATE Herewith	GROUP ART UNIT TBD

U.S. PATENT DOCUMENTS

<u>EXAMINER INITIAL</u>	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	5,559,940	9/24/96	Hutson			
	5,442,562	8/15/95	Hopkins et al.			
	5,325,466	6/28/94	Kornacker			

FOREIGN PATENT DOCUMENTS

<u>EXAMINER INITIAL</u>	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Budowle, Bruce and Tamya R. Moretti, "Genotype profiles for six population groups at the 13 CODIS short tandem repeat core loci and other PCR based loci," Forensic Science Communications, FBI Laboratory Division Publication 99-06, U. S. Department of Justice, Federal Bureau of Investigation. July 1999, V. 1, n. 2
CODIS 5.1 GDIS Searching Specification (Draft), U.S. Department of Justice Federal Bureau of Investigation. July 23, 1998
Quinlan, J.R., Induction of decision trees, Machine Learning 1:81-106, 1986
Berry, Michael W., Zlatko Drmac, and Elizabeth R. Jessup, "Matrices, vector spaces, and information retrieval," SIAM Review 41:335-362, 1999
Message Passing Interface Forum, MPI-2: Extensions to the Message-Passing Interface, July 18, 1997. Also at http://www.mpi-forum.org/docs/mpi-20-html/mpi2-report.html
(1) Atsuo Yoshitaka, et al., "A Survey on Content-Based Retrieval for Multimedia Databases", IEEE Transactions On Knowledge And Data Engineering, Vol. 11, No. 1, January/February 1999, Pages 81-93
(2) Peter N. Yianilos, "Excluded Middle Vantage Point Forests for Nearest Neighbor Search", July 20, 1998 (revised September 11, 1998), Pages 1-12
(3) Peter N. Yianilos, "Data Structures and Algorithms for Nearest Neighbor Search in General Metric Spaces", 1993, 11 pages
(4) Marvin Shapiro, "The Choice of Reference Points in Best-Match File Searching", Communications of the ACM, Vol. 20, No. 5, May 1977, pages 339-343
(5) Davood Rafiei et al., "Similarity-Based Queries for Time Series Data", Proceedings of the 1997 ACM SIGMOD International Conference on Management of Data, May 1997, Pages 1-13
(6) King-Ip Lin et al., "The TV-tree - an index structure for high-dimensional data", 1994, pages 1-30
(7) Paolo Ciaccia, et al., "M-tree: An Efficient Access Method for Similarity Search in Metric Spaces", Proceedings of the 23 rd VLDB Conference, Athens, Greece, 1997, 10 Pages
(8) W. A. Burkhard et al., "Some Approaches to Best-Match File Searching", Communications of the ACM, Vol. 16, No. 4, April 1973, Pages 230-236

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

(9) Sergey Brin, "Near Neighbor Search in Large Metric Spaces", Proceedings of the 21 st VLDB Conference, Zurich, Switzerland, 1995, 11 Pages
(10) Tolga Bozkaya et al., "Distance-Based Indexing For High-Dimensional Metric Spaces", 1997, 12 pages
(11) Andrew Berman et al., "Selecting Good Keys for Triangle-Inequality-Based Pruning Algorithms", IEEE, 1997, Pages 12-19
(12) Norbert Beckmann et al., "The R*-tree: An Efficient and Robust Access Method for Points and Rectangles", ACM, 1990, Pages 322-331
(13) Ricardo Baeza-Yates et al., 'Proximity Matching Using Fixed-Queries Trees', 1994, 13 Pages
(14) Franz Aurenhammer, 'Voronoi Diagrams – Survey of a Fundamental Geometric Data Structure', ACM Computing Surveys, Vol. 23, No. 3, September 1991, Pages 345-405

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